

تأثير بي دردی نخاعی در مراحل مختلف زایمان

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Efficacy of Spinal Analgesia on Stages of Labor 17 Shahrivar Hospital Mashhad-2005

Abstract

Introduction: Usage of different types of pain relief during labor is the best method for relief of pain during labor. Spinal analgesia belongs to a long history in midwifery. This study was designed to evaluate the effect of spinal analgesia during stages of labor and delivery.

Material and Methods: This study was a randomized clinical trial done in 2005 in 17 Shahrivar Hospital of Mashhad. Two groups (62 patients) selected from pregnant term women. Patients were divided into two similar groups (case and control). The patients in the case group received spinal analgesia with 50 mg fentanyl (in prime gravid 15 mg petedine was added). Characteristics of patients such as length of labor, fetal heart rate, and demographic data was collected in a questionnaire and analyzed by SPSS software, Q square, and T. students test.

Results: Age, gravidity, condition of anemia, fetal heart rate before using spinal analgesia did not have significant difference in the two groups. The length of first stage of labor was 143.7 minutes for the case group and 311.45 in the control group ($p < 0/05$). Apgar, length of the second and the third stages of labor were similar in both groups. Headaches in the forth stage of labor had significant difference in the two groups ($p = 0.5$).

Conclusion: The use of spinal analgesia provides a satisfactory result for labor and decreases the length of the first stage of labor without disrupting the normal course of labor. It can be recommended as a suitable method for pain reduction in labor.

Kay words: Spinal analgesia, Normal delivery, Fentanyl, Length of labor.

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